10th Class 2015

Chemistry	Group-II	Paper-II
Time: 15 Minutes	(Objective Type)	Marks: 12

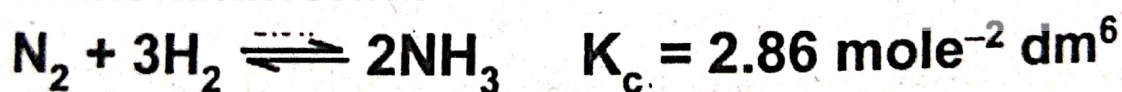
Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink. Cutting or filling two or more circles will result in zero mark in that question.

1- **Temporary hardness of water is because of:**
(a) $Ca(HCO_3)_2$ ✓ (b) $CaCO_3$
(c) $MgCO_3$ (d) $MgSO_3$

2- **Matte is a mixture of:**
(a) FeS and CuS (b) Cu_2O and FeO
(c) Cu_2S and FeS ✓ (d) CuS and FeO

3- **Normally rain water is weakly acidic because of:**
(a) SO_3 gas (b) CO_2 gas ✓
(c) SO_2 gas (d) NO_2 gas

4- **Nitrogen and hydrogen were reacted together to make ammonia:**

$$N_2 + 3H_2 \rightleftharpoons 2NH_3 \quad K_c = 2.86\ mole^{-2}\ dm^6$$

What will be present in equilibrium mixture?
(a) NH_3 only (b) N_2, H_2 and NH_3 ✓
(c) N_2 and H_2 only (d) H_2 only

5- **Which one of the following is a Lewis Base:**
(a) NH_3 ✓ (b) BF_3
(c) H^+ (d) $AlCl_3$

6- **The reduction of alkyl halides takes place in the presence of:**

(a) Zn / HC*l* √ (b) Na / HC*l*

(c) Mg / HC*l* (d) Cu / HC*l*

7- **Which one of the following Vitamins is water soluble:**

(a) Vitamin A (b) Vitamin C √

(c) Vitamin D (d) Vitamin E

8- **Which one of the following properties of water is responsible for rising of water in plants:**

(a) Specific heat capacity

(b) Viscosity

(c) Excellent solvent action

(d) Capillary action √

9- **In the lime kiln, the reaction goes to completion because:**

$CaCO_3 \rightarrow CaO + CO_2$

(a) A high temperature

(b) CaO is more stable than $CaCO_2$

(c) CO_2 escapes continuously √

(d) CaO is not dissociated

10- **Which one of the following is a disaccharide:**

(a) Glucose (b) Fructose

(c) Sucrose √ (d) Starch

11- **Main component of natural gas is:**

(a) Methane √ (b) Propane

(c) Butane (d) Propyne

12- **You want to dry a gas, which one of the following salts you will use:**

(a) $CaCl_2$ (b) NaC*l*

(c) CaO √ (d) Na_2SiO_3